


Transfer Test Mock Paper D - Maths

Read the instructions carefully.

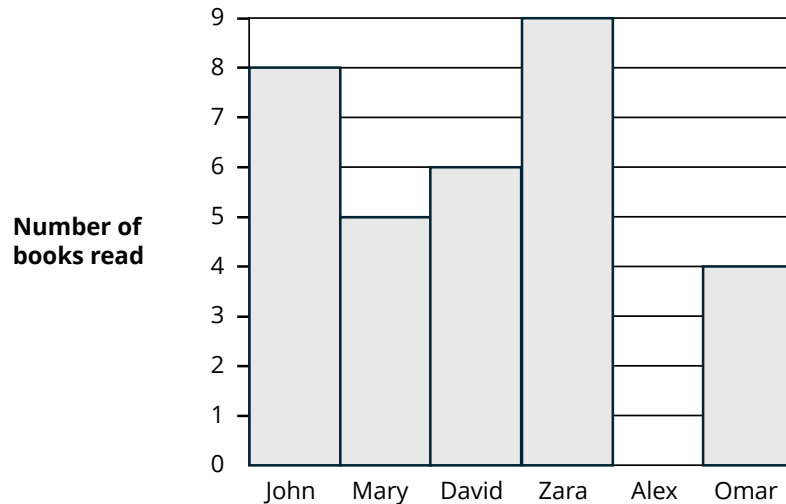
1. This is a multiple-choice paper in which you have to mark your answer to each question on the separate answer sheet.
2. Draw a firm line clearly through the rectangle next to your answer like this . If you make a mistake, rub it out completely and put in your new answer.
3. Be sure to keep your place in the correct section of the answer sheet. Mark your answer in the box that has the same number as the question in the booklet.
4. You will have 50 minutes to answer 50 questions.
5. You may find some of the questions difficult. If you cannot do a question, do not waste time on it, but go on to the next. If you are not sure of an answer, choose the one you think is best.
6. Work as quickly and as carefully as you can.
7. Make sure you can see a clock.
8. Allocate enough time to check your answers at the end.

1. What is this number in figures?

six thousand, nine hundred and four

- A 6940 B 6904 C 6094 D 694 E 69004

2. The bar chart below shows the number of books read by 6 students in a month.



How many more books did David read than Omar?

- A 6 books B 10 books C 2 books D 1 book E 3 books

3. What is the missing number in this sequence?

45 56 67 89

- A 75 B 76 C 77 D 78 E 79

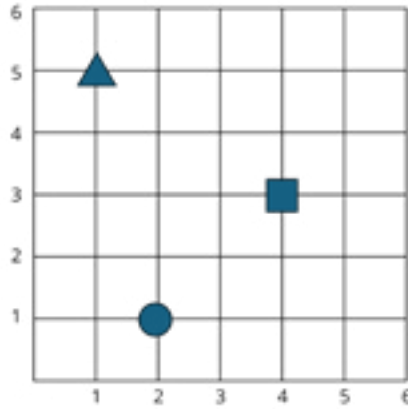
4. How many 20p coins do I have if I have £1.60?

- A 8 coins B 6 coins C 4 coins D 12 coins E 16 coins

5. In the number 4201, what does the 2 stand for?

- A 2 hundredths D 2 ones
B 2 thousands E 2 hundreds
C 2 tens

6.



The triangle has coordinates of (1, 5).

What are the coordinates of the circle?

- A (1, 5) B (2, 1) C (1, 2) D (4,3) E (3, 4)

7. Change the order of the figures 9812 to make the smallest number possible.

- A 2189 B 8921 C 9281 D 1289 E 1892

8. Charlie drove 4 hours from her house to the seaside.
She arrived at the seaside at 2pm.

What time did Charlie start her journey?

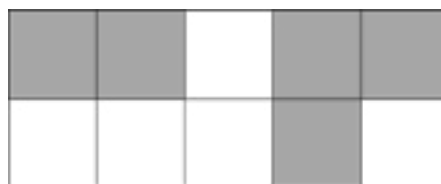
- A 14:00 B 22:00 C 02:00 D 10 pm E 10:00

9. Choose the correct number to go in the box.

$$428 \div 4 = \boxed{}$$

- A 107 B 214 C 117 D 202 E 240

10.



What fraction of the whole shape is shaded?


- A $\frac{1}{5}$ B $\frac{4}{10}$ C $\frac{1}{2}$ D $\frac{1}{3}$ E $\frac{2}{10}$

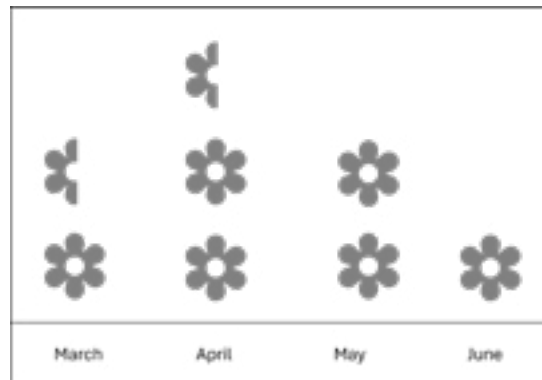
11. A bag of sugar weighs 1 kg.
Simon pours out 400 g of sugar into a bowl.

How much does the bag of sugar weigh now?

- A 0.6 g B 500 kg C 6 kg D 500 g E 600 g

12. This diagram shows how many flowers Mrs. Daniels planted each month.

 stands for 2 flowers.



How many flowers did Mrs. Daniels plant altogether in April and June?

- A 6 B 4 C 2.5 D 7 E 3.5

13. A square has sides of 4cm.

What is the area of the square?

- A 16cm B 16cm² C 8cm D 8cm² E 16mm

14. Costas thinks of a number.
He multiplies the number by 10.
Then he subtracts 3.
The answer is 37.

What number did Costas first think of?

- A 40 B 4 C 44 D 14 E 34

15. $k - 6 = 20$

$k = ?$

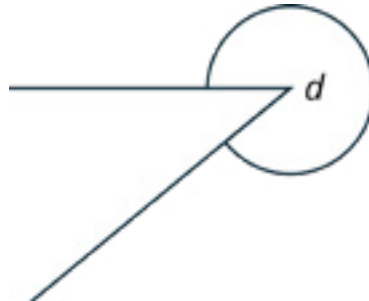
- A -14 B 16 C 26 D 14 E -26

16. What is this next number in this sequence??

88 79 71 64 _____

- A 58 B 57 C 53 D 62 E 63

17. Look at this angle.



Select the statement that is true.

- A Angle d is a right angle.
- B Angle d is less than 180 degrees.
- C Angle d is more than 180 degrees.
- D Angle d is 90 degrees.
- E Angle d is an acute angle.

18. $8.3 \times 10 =$

- A 830 B 0.83 C 83 D 83.3 E 0.083

19. Lucia sold lemonade.
Lucia earned £2.20 for every 10 cups of lemonade she sold.

How much did Lucia earn for selling 25 cups of lemonade?

- A £4.40 B £1.10 C £6.60 D £3.30 E £5.50

20. A jug contains 3 litres of water.
Jack pours all of the water into cups that can hold 250 ml of water.

How many cups does Jack fill?

- A 12 cups B 8 cups C 6 cups D 4 cups E 2 cups

21. A cinema ticket costs £8.
With a student discount card, you can save $\frac{1}{4}$ off the price of cinema tickets.
Holly spends £6 on a student discount card plus some cinema tickets at the reduced price.

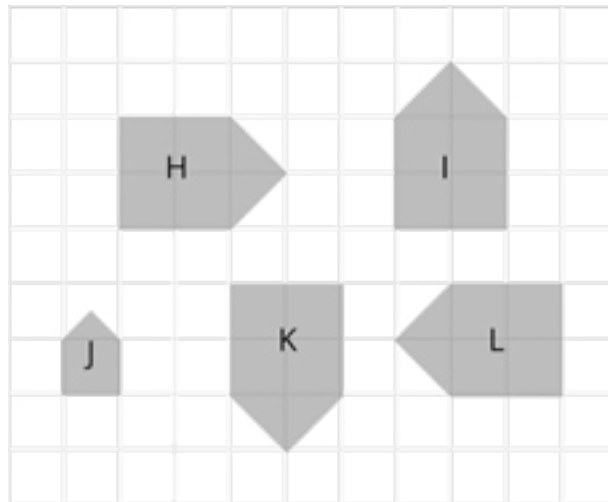
How many cinema tickets does Holly need to save the same amount as the card costs?

- A 1 B 2 C 3 D 4 E 5

22. Choose the time that shows twenty minutes to six in the evening.

- A 18:40 B 5:20 C 18:20 D 16:40 E 17:40

23. Shape H has been rotated clockwise 270 degrees.



Which shape shows this transformation?

- A H B I C J D K E L

24. Here is part of a bus timetable from Tamworth to Lichfield.

Tamworth	08:00	08:50	09:40	10:10
Hopwas	08:05	08:55	09:45	10:45
Lichfield	08:18	09:08	09:58	10:58

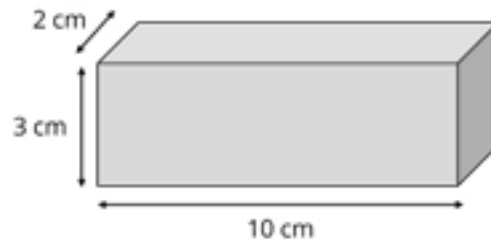
How long does it take the 08:50 bus from Tamworth to reach Lichfield?

- A 8 mins B 15 mins C 1 h 8 mins D 18 mins E 5 mins

25. What is 15% of £60?

- A £9 B £6 C 9p D 6p E 90p

26. What is the volume of this cuboid?



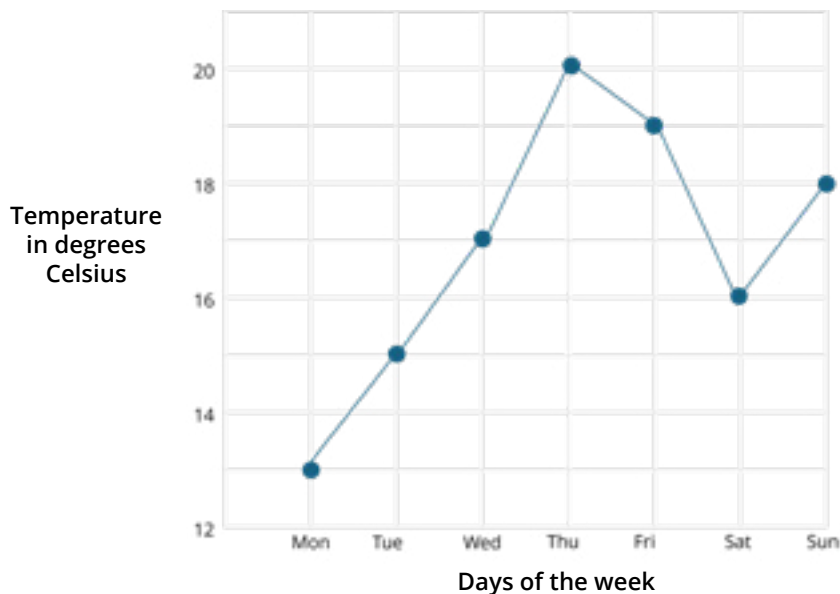
- A 30 cm³ B 40 cm³ C 15 cm³ D 60 cm³ E 60 cm²

27. Krish wants to hang lights around the edge of his rectangular roof. The roof is 12 metres long and 8 metres wide. Krish has 35 cm of lights.

Which statement is true?

- A Krish does not have enough lights to go around the roof.
B Krish has the exact amount of lights to go around the roof.
C Krish has more than enough lights, and will have some left over.
D Krish needs exactly 45 metres of lights to cover the edge of the roof.
E Krish can only cover one edge of the roof with the lights he has.

28. The graph shows the temperature of London over a week.



On which day did the temperature decrease the least from the day before?

- A Wed B Thu C Fri D Sat E Sun

29. Peter spends £290 per month on groceries.

How much does he spend on groceries in 12 months?

- A £4,380 B £1,290 C £3,840 D £2,910 E £3,480

30. An empty recycling basket weighs 450 grams.
When Matthew fills the basket with paper it weighs 1 kilogram.

How much paper did Matthew put in the basket?

- A 550 g B 650 g C 850 g D 950 g E 1450 g

31. Simon is wrapping Christmas presents.
He uses 2.75 metres of leftover wrapping paper from last year and then runs out.

If he needs 7.25 metres of wrapping paper in total, how many more 2 metre rolls of paper must Simon buy to finish wrapping the presents?

- A 1 B 2 C 3 D 4 E 5

32. Complete the number square so that each row, column and diagonal add up to the same total.

8	1	6
3		7
4	9	

- A 2 and 5 B 6 and 2 C 5 and 4 D 5 and 3 E 2 and 4

33. The temperature on Monday was 18.6°C.
On Tuesday it rose by 3.7°C.

What was the temperature on Tuesday?

- A 14.9°C B 20.3°C C 22.3°C D 22.7°C E 23.6°C

34. A jar contains 52 sweets.
Remah takes out $\frac{1}{4}$ of them.

How many sweets does she have left in the jar?

- A 21 B 13 C 39 D 38 E 18

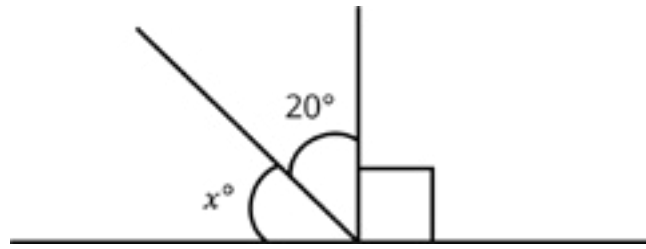
35. What is CXXII added to XLV?
- A CLXII B CLXVII C CLXIII D CCXXVIII E CCLDIII
36. What is 6^2 ?
- A 12 B 8 C 18 D 24 E 36
37. What is the sum of the first five prime numbers?
- A 31 B 28 C 34 D 41 E 36
38. The chart shows the favourite milkshake flavours of a class.



If there are 28 students in the class, how many did NOT choose chocolate?

- A 7 B 14 C 18 D 21 E 24
39. What is the area of this shape?
-
- A composite L-shaped figure. The top-left horizontal side is 4 cm. The top-left vertical side is 3 cm. The bottom-right vertical side is 2.5 cm. The bottom horizontal side is 9 cm.
- A 24 cm² B 34.5 cm² C 29 cm D 49.5 cm² E 21.5 cm

40. What is the value of angle x ?



- A 90° B 110° C 180° D 70° E 45°

41. Zachariah buys a coat that is 20% off in a sale.
He pays £10 for the coat.

How much did the coat cost before the discount?

- A £8 B £10.80 C £12.50 D £30 E £20.80

42. Ellie is learning about mean, median, mode and range in maths.

Which of these statements is NOT true?

- A The median is the middle number in a group of numbers ordered by size.
- B To find the range of a group of numbers, you add all the numbers together.
- C The mode is the item that appears most often.
- D To find the mean, you divide the sum of the numbers by how many there are.
- E The mean, median, mode and range of a group can all be different numbers.

43. The letter **D** has a line of symmetry.

Which other letter has a line of symmetry?

- A **M** B **N** C **F** D **S** E **P**

44. What is 0.6% as a decimal?

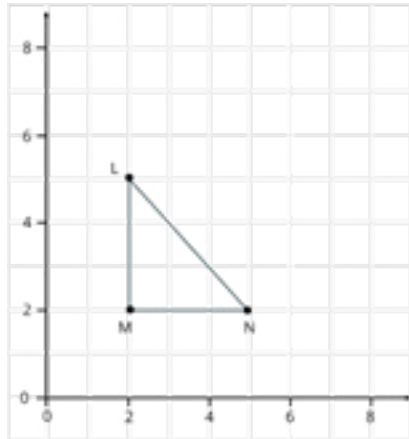
- A 1.6 B 6.0 C 0.6 D 0.06 E 0.006

45. Chrissie thinks of a number, y , and rounds it to the nearest 10.
The number she has now is 40.

What is the smallest number that y could have been before rounding?

- A 34 B 35 C 40 D 41 E 44

46. An isosceles triangle, LMN, is shown on the coordinate grid.



I draw a line of symmetry through the shape, that passes through point M.

Which other point will my line of symmetry pass through?

- A (4, 3) B (6, 6) C (4, 5) D (6, 4) E (5, 6)
47. Select the correct number to go in the box.

$$3,000 - \boxed{} = 35 \times 84$$

- A 2580 B 70 C 2940 D 50 E 60
48. A bag contains 5 red marbles, 3 blue marbles, and 2 green marbles. One marble is picked at random from the bag.
- What is the probability that the marble picked is blue?

- A $\frac{3}{10}$ B $\frac{1}{5}$ C $\frac{1}{3}$ D $\frac{1}{2}$ E $\frac{3}{5}$
49. In a fruit basket, the ratio of apples to oranges is 3:5.

If there are 24 apples in the basket, how many oranges are there?

- A 36 B 40 C 48 D 60 E 64
50. The conversion rate to change British Pounds (£) to Euros (€) is £1 = €1.15.

If Emily has £50, how many Euros will she get?

- A €42.50 B €50.00 C €50.15 D €57.50 E €65.50

GL Mock Paper D Maths - Answer Sheet

Candidate's Name:
School Name:

DATE OF TEST					
Day		Month		Year	

DATE OF BIRTH					
Day		Month		Year	

Please mark the boxes with a thin horizontal line like this .
Rub out mistakes thoroughly.

1	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	2	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	3	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	4	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	5	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	6	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	7	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	8	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	9	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>
10	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	11	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	12	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	13	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	14	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	15	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	16	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	17	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	18	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>
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46	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	47	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	48	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	49	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>	50	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>								

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